

The Marvelous Vertical Railways in the New Woolworth Building That Are to "Whiz" the Army of Workers Up With Lightning Speed 726 Feet in the Sky in Absolute Safety and Comfort.

SINCE the world began one characteristic has always been dominant in mankind; that is, the desire to create—to construct abodes—places of business—to build something that would serve for comfort or convenience, or a monument to his greatness, individually and collectively. Through the ages this characteristic has dominated more and more, until to-day the inventive and creative genius of man seems without limit. Every civilized country on the globe is marked with cities exemplifying the almost perfect constructive genius of human mind and hand. Invention has always stood ready to meet every rising necessity. In no other respect is this so strikingly shown as in the development of the modern "skyscraper," with its concentrated economic facilities. Everywhere majestic buildings pinnacle the sky. Every Art and Trade has contributed to these creations, but no ONE thing has been of so vital import as has been the invention of elevators, making each floor, regardless of elevation, equally accessible and livable. No feat of engineering science is more wonderful or of more worldwide usefulness than the invention of elevators.

Elevators are the ONE thing that has made possible the construction of the Titanic structures of stone and steel that everywhere to-day dot the marts of Trade and Industry. The ONE thing that has heightened the "skyline," and marvelously increased the land values of the world's greatest cities, insuring to them unlimited development, concentration, and prosperity.

There have been recorded in the world a large number of inventions calculated to solve the problem of passenger and freight elevation, but it remained for an American institution—**The Otis Elevator Company, 17 Battery Place, New York**—to perfect and bring to the attention of the Commercial and Industrial worlds elevator inventions that meet every exacting requirement, and that render the highest effective and economic service.

The achievement of this Company in perfecting the highest type of elevators has gained for its product recognition as the standard of excellence throughout the civilized world, and it is fitting tribute to the superior quality of their product that **Otis Elevators** should have been chosen (as has been the case in nearly every other renowned building of the world) for installation in the new **Woolworth Building**, now in course of construction at Broadway and Park Place, New York.

Since this is to be the tallest building at present erected in the world, requiring the highest elevators ever built, the elevator equipment in this building is necessarily extensive and stupendous. It requires a battery of 34 elevators to take care of the business that will be conducted in this immense area of floor space. As an example of the engineering ingenuity shown in this installation four of the elevators rise from the first to fifty-first floor—a perpendicular elevation of 679 feet 6 inches. This is the most remarkable elevator installation ever conceived and built.

THIS INSTALLATION CONSISTS OF THE FOLLOWING GROUPS:

Main Group Elevators —Nos. 1, 2, 23, 24. Rise —1st to 51st Floor—679' 6". Otis Traction Machine.	Elevators —8, 17. Rise —S. B. to 27th Floor—372' 11". Otis Traction Machine.
Main Group Elevators —Nos. 3, 22. Rise —Basement to 40th Floor—530' 5 1/2". Otis Traction Machine.	Combination Passenger and Freight Elevators . Nos. 25 and 26. Rise —Basement to 28th Floor—373' 5 1/2". Otis Traction Machine.
Main Group Elevators —4, 5, 6, 7, 9, 10, 15, 16, 18, 19, 20, 21. Rise —Basement to 27th Floor—358' 5 1/2". Otis Traction Machine.	Passenger (Bank) Elevator —No. 31. Rise —Basement to 4th Floor—56' 5 1/2". Otis Drum Type Machine.
Elevators —11, 12, 13 and 14. Rise —1st to 12th Floor—144' 0". Otis Traction Machine.	Passenger (Tower Shuttle) Elevator —No. 34. Rise —51st to 54th Floor—47' 0". Otis Drum Type Machine.
	Ash Lift —Elevator No. 33. Rise —S. B. to S. W.—29' 5 1/2". Otis Drum Type Machine.

All of these are the highest type of machines ever known in association with vertical transportation.

Other noteworthy examples of elevator installation by the **Otis Elevator Company** are the following world-renowned buildings of this country:

Singer Building, New York City.	Syndicate Trust Company Building, St. Louis, Mo.
Hudson Terminal Buildings, New York City.	Third National Bank Building, St. Louis, Mo.
Pulitzer Building, New York City.	Edison Electric Illuminating Company, Boston, Mass.
Silversmiths Building, New York City.	New England Telegraph & Telephone Building, Boston, Mass.
Metropolitan Life Building, New York City.	Corbett Building, Portland, Ore.
Fifth Avenue Building, New York City.	Oliver Building, Pittsburgh, Pa.
Hotel Astor, New York City.	Frick Building, Pittsburgh, Pa.
Whitehall Building, New York City.	Pontchartrain Hotel, Detroit, Mich.
Bankers Trust Building, New York City.	Detroit Free Press Building, Detroit, Mich.
People's Gas Light & Coke Company, Chicago, Ill.	Wickes Brothers Trust Building, Youngstown, Ohio.
Blackstone Hotel, Chicago, Ill.	J. E. Andrews Building, Minneapolis, Minn.
Chicago City Hall, Chicago, Ill.	Prudential Life Insurance Company, Newark, N. J.
Insurance Exchange Building, Chicago, Ill.	First National Bank, Denver, Col.
Whittell Building, San Francisco, Cal.	Los Angeles Trust and Savings Bank Building, Los Angeles, Cal.
Humboldt Bank Building, San Francisco, Cal.	Majestic Theatre and Office Building, Milwaukee, Wis.
Alaska Com. Company Building, San Francisco, Cal.	Practorian Building, Dallas, Tex.
Royal Insurance Company Building, San Francisco, Cal.	Cotton Exchange, Memphis, Tenn.
Philadelphia Electric Company Building, Philadelphia, Pa.	Third National Bank, Atlanta, Ga.
Bailey, Banks & Biddle Building, Philadelphia, Pa.	S. F. Carter Building, Houston, Tex.
Curtis Publishing Company Building, Philadelphia, Pa.	Eastern Township Bank, Quebec, Canada.
	Scarratt Estate, Kansas City, Mo.
	W. G. Herpolsheimer, Grand Rapids, Mich.

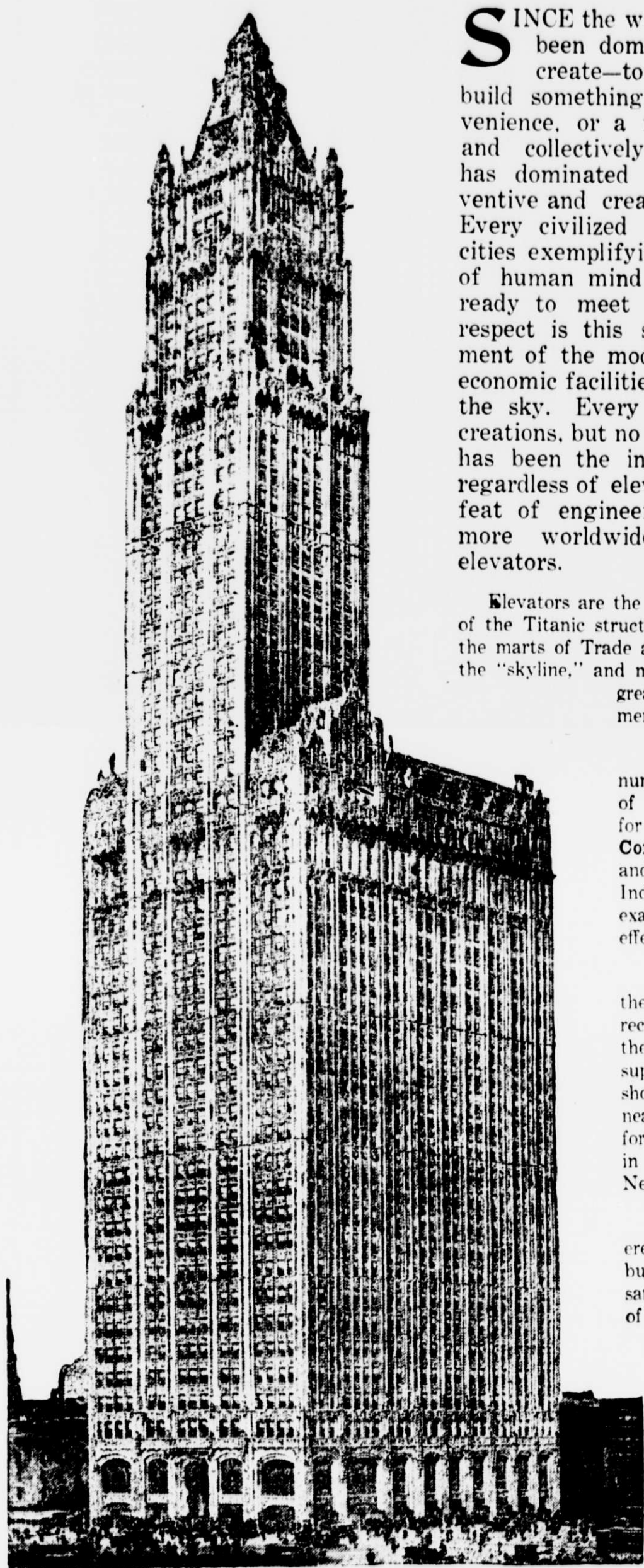
Nearly all these installations are purely of business building types. In addition to these the **Otis Elevator Company** manufactures elevators of **EVERY** type to meet **EVERY** condition of freight and passenger handling service—including **Inclined freight types, Otis Escalator or Moving Stairway, and Otis Automatic Push-Button Elevator** for private residences. **Otis Elevators** should be used for modernizing old buildings and for insuring the greatest convenience, economy, and satisfaction in the new.

Without obligation our Engineering Department will supply full information, show the way to best meet specific requirements, and submit estimate of installation cost. Correspondence invited. Write to us.

Otis Elevator Company

17 Battery Place, New York

Offices in all principal cities in the world



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Cass Gilbert, Architect.
C. O. Knox, Consulting Engineer.
Thompson-Starrett Co., Contractors.



Sky Line of New York—Most of the Buildings shown here are equipped with Otis Elevators.